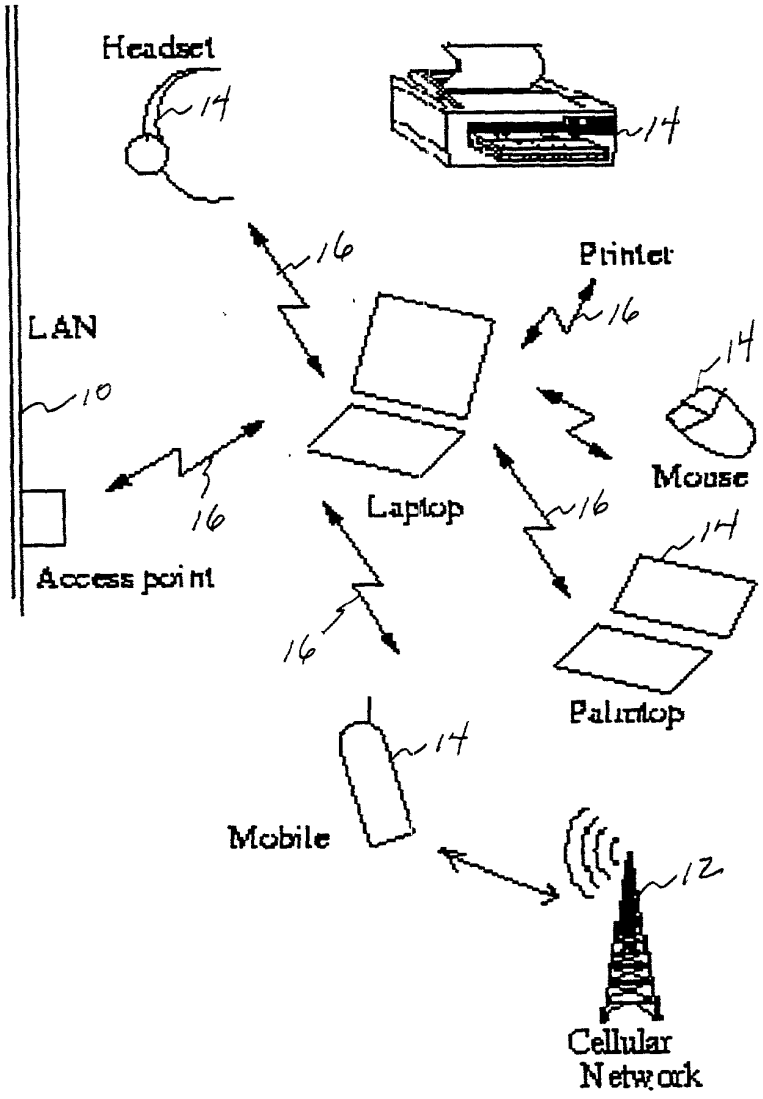

FIGURE 1 (PRIOR ART)

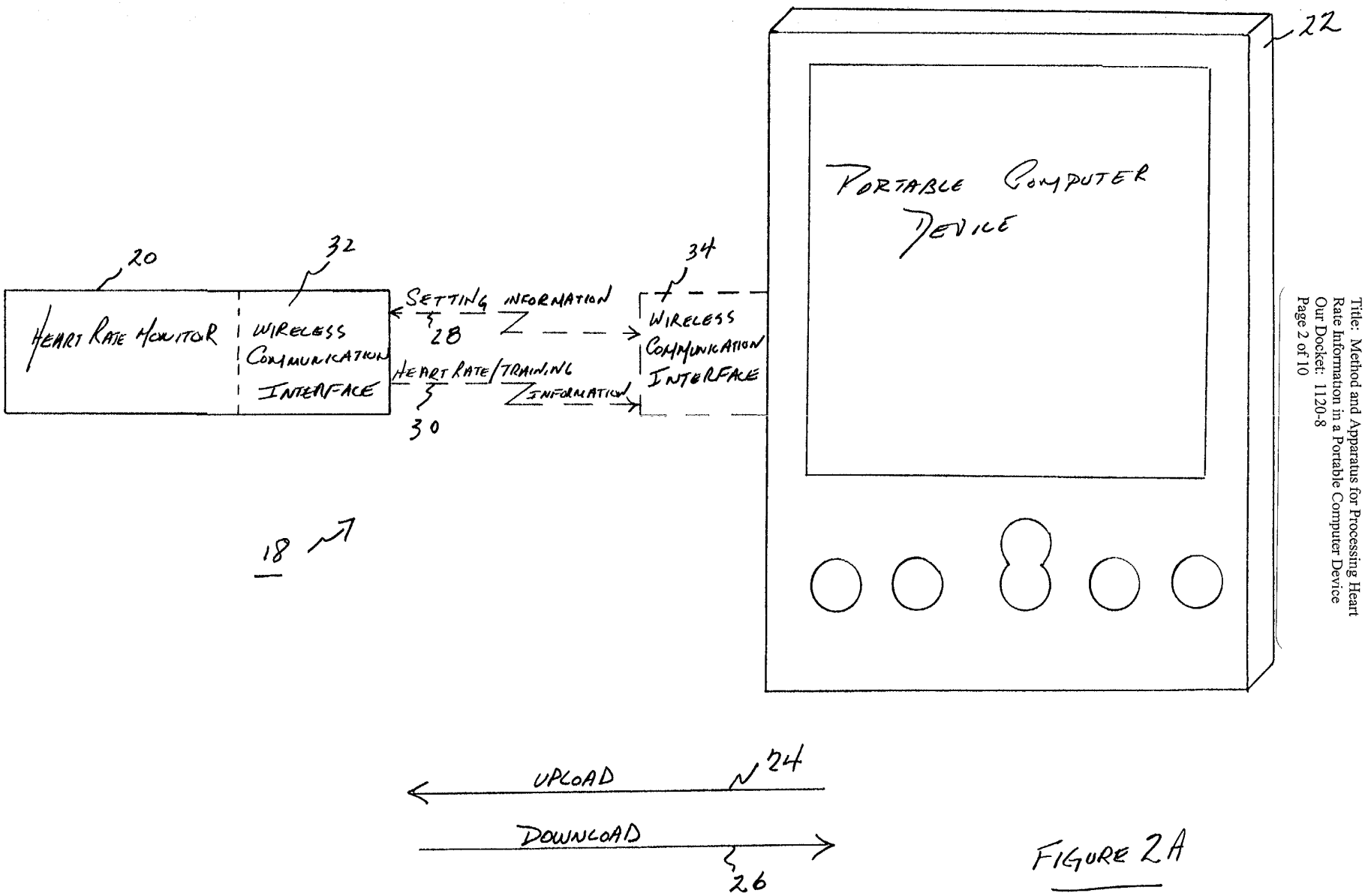
22
PORTABLE COMPUTER DEVICE
20
32
34
HEART RATE MONITOR
WIRELESS COMMUNICATION INTERFACE
SETTING INFORMATION
28
HEART RATE/TRAINING INFORMATION
30
WIRELESS COMMUNICATION INTERFACE
18
UPLOAD
24
DOWNLOAD
26

FIGURE 2A

20030210.0126P001

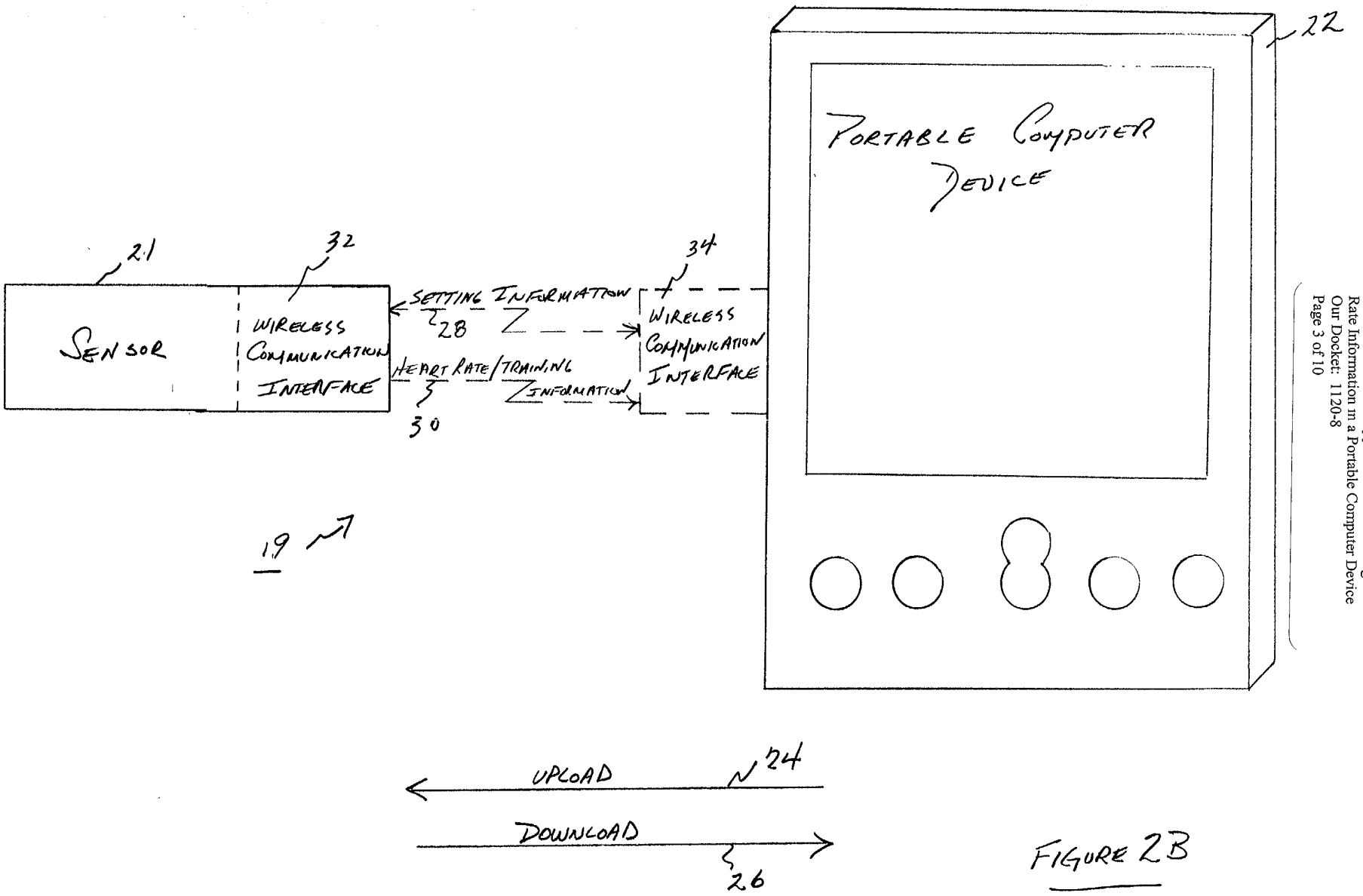

FIGURE 2B

20520 "522280T

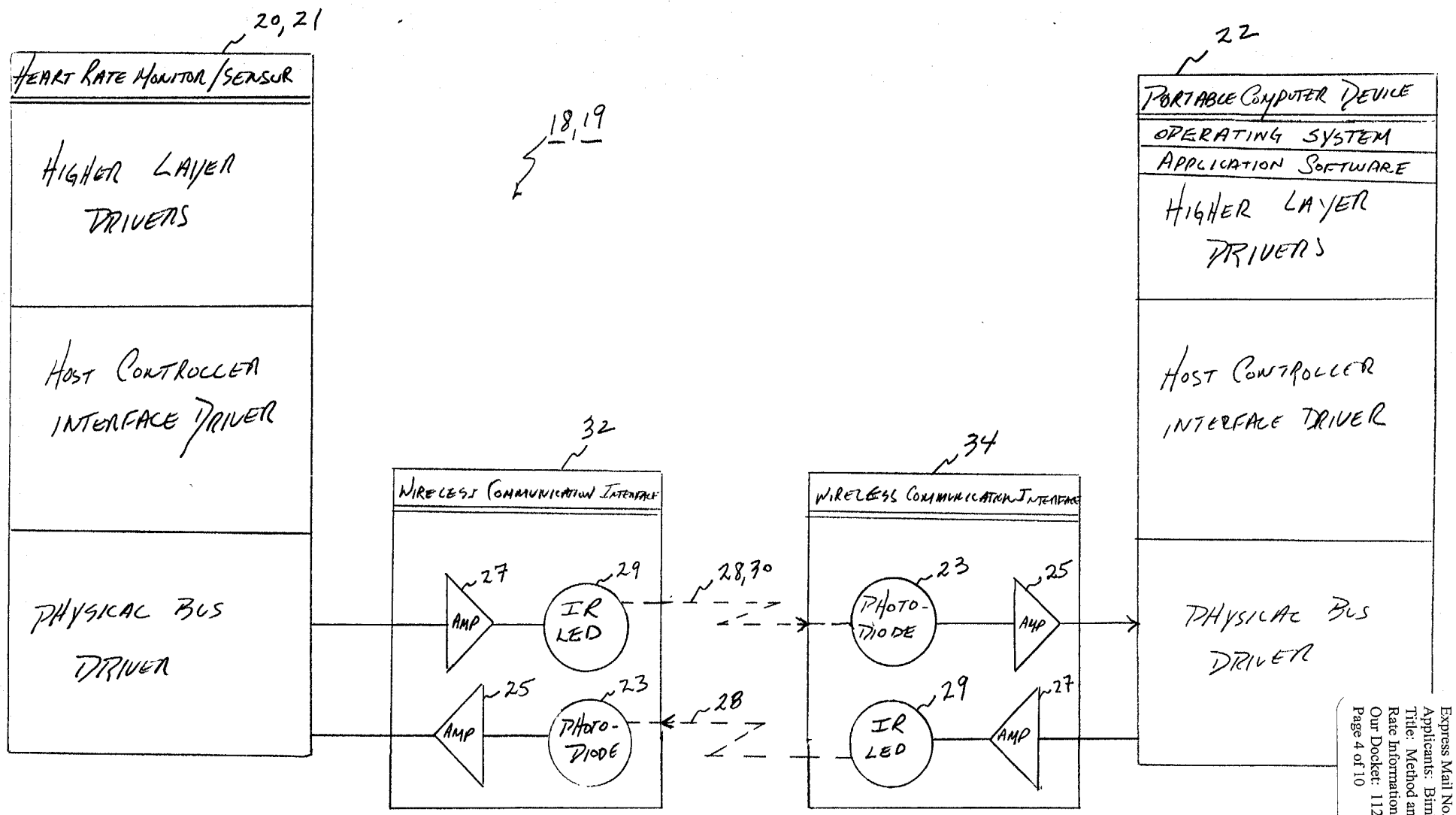

FIGURE 3

20320 E226B0DT

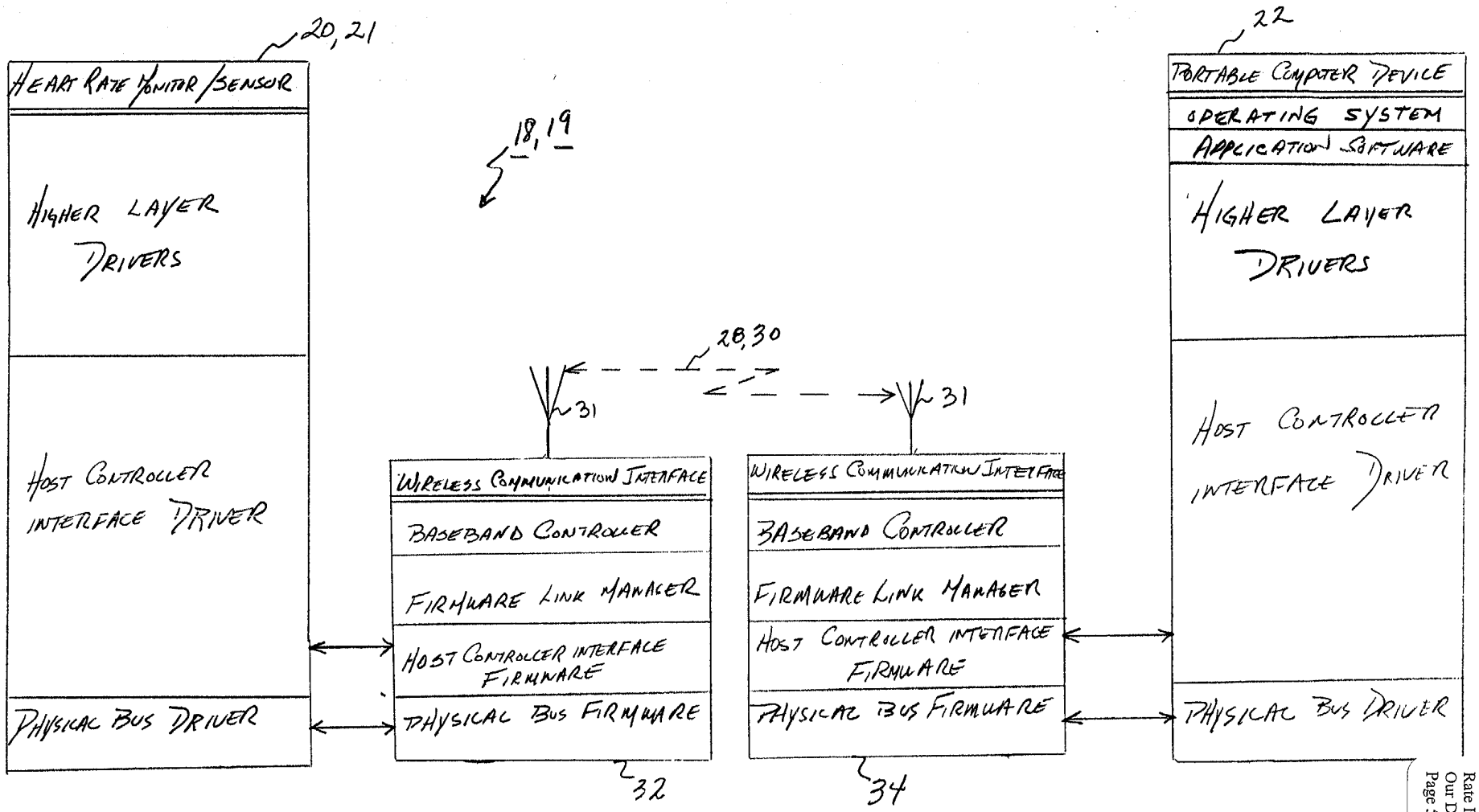

FIGURE 4

Express Mail No.: EL709116124US
Applicants: Birnbaum, et al.
Title: Method and Apparatus for Processing Heart Rate Information in a Portable Computer Device
Our Docket: 1120-8
Page 5 of 10

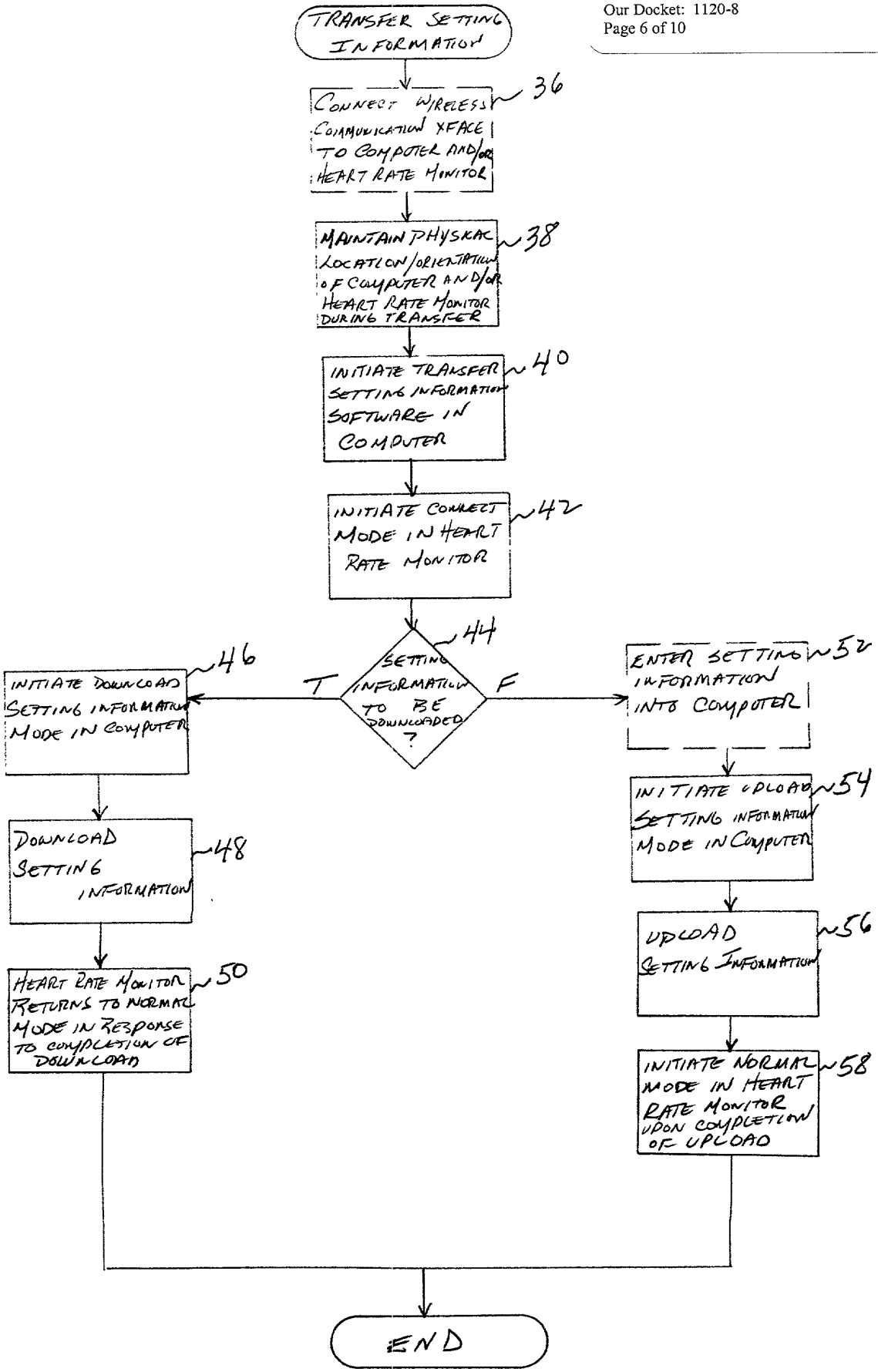

FIGURE 5

Docket No. 1120-8

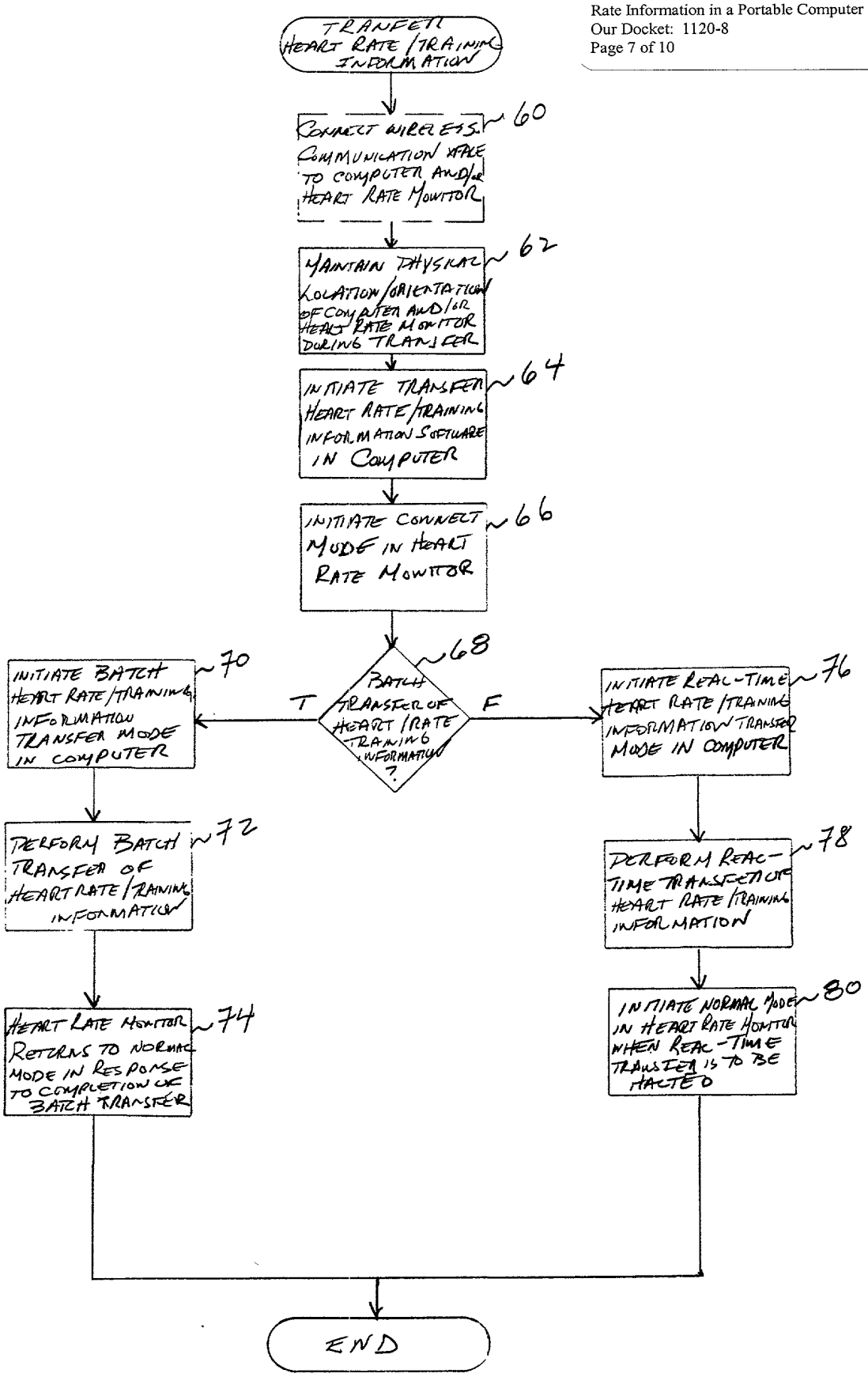
TRANSFER HEART RATE/TRAINING INFORMATION
CONNECT WIRELESS COMMUNICATION LINK TO COMPUTER AND/OR HEART RATE MONITOR
60
MAINTAIN PHYSICAL LOCATION/ORIENTATION OF COMPUTER AND/OR HEART RATE MONITOR DURING TRANSFER
62
INITIATE TRANSFER HEART RATE/TRAINING INFORMATION SOFTWARE IN COMPUTER
64
INITIATE CONNECT MODE IN HEART RATE MONITOR
66
BATCH TRANSFER OF HEART RATE TRAINING INFORMATION ?
68
T
F
INITIATE BATCH HEART RATE/TRAINING INFORMATION TRANSFER MODE IN COMPUTER
70
PERFORM BATCH TRANSFER OF HEART RATE/TRAINING INFORMATION
72
HEART RATE MONITOR RETURNS TO NORMAL MODE IN RESPONSE TO COMPLETION OF BATCH TRANSFER
74
INITIATE REAL-TIME HEART RATE/TRAINING INFORMATION TRANSFER MODE IN COMPUTER
76
PERFORM REAL-TIME TRANSFER OF HEART RATE/TRAINING INFORMATION
78
INITIATE NORMAL MODE IN HEART RATE MONITOR WHEN REAL-TIME TRANSFER IS TO BE HALTED
80
END

FIGURE 6

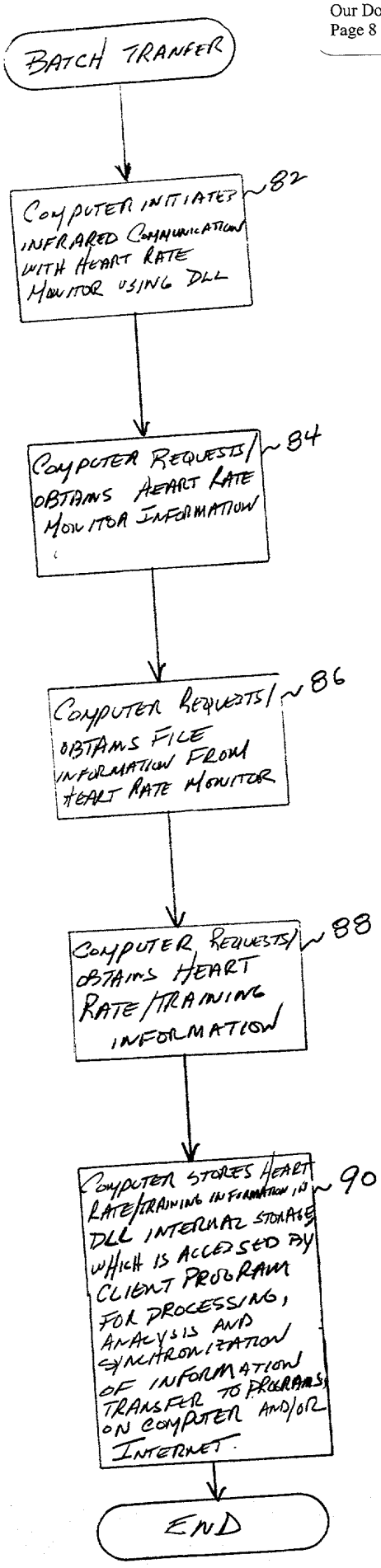
BATCH TRANFER
COMPUTER INITIATES INFRARED COMMUNICATION WITH HEART RATE MONITOR USING DLL
82
COMPUTER REQUESTS/ OBTAINS HEART RATE MONITOR INFORMATION
84
COMPUTER REQUESTS/ OBTAINS FILE INFORMATION FROM HEART RATE MONITOR
86
COMPUTER REQUESTS/ OBTAINS HEART RATE/TRAINING INFORMATION
88
COMPUTER STORES HEART RATE/TRAINING INFORMATION IN DLL INTERNAL STORAGE WHICH IS ACCESSED BY CLIENT PROGRAM FOR PROCESSING, ANALYSIS AND SYNCHRONIZATION OF INFORMATION TRANSFER TO PROGRAMS ON COMPUTER AND/OR INTERNET
90
END

FIGURE 7

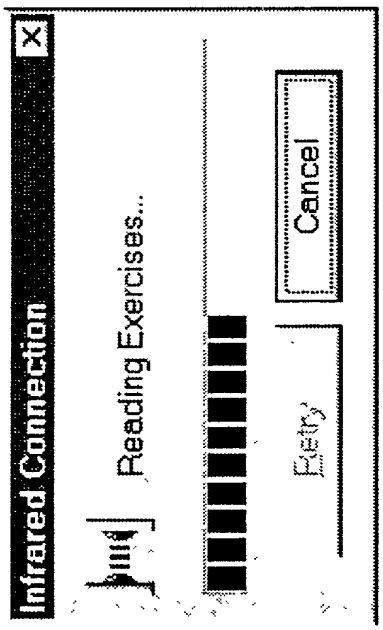

FIGURE 8

Express Mail No.: EL709116124US
Applicants: Birnbaum, et al.
Title: Method and Apparatus for Processing Heart Rate Information in a Portable Computer Device
Our Docket: 1120-8
Page 10 of 10

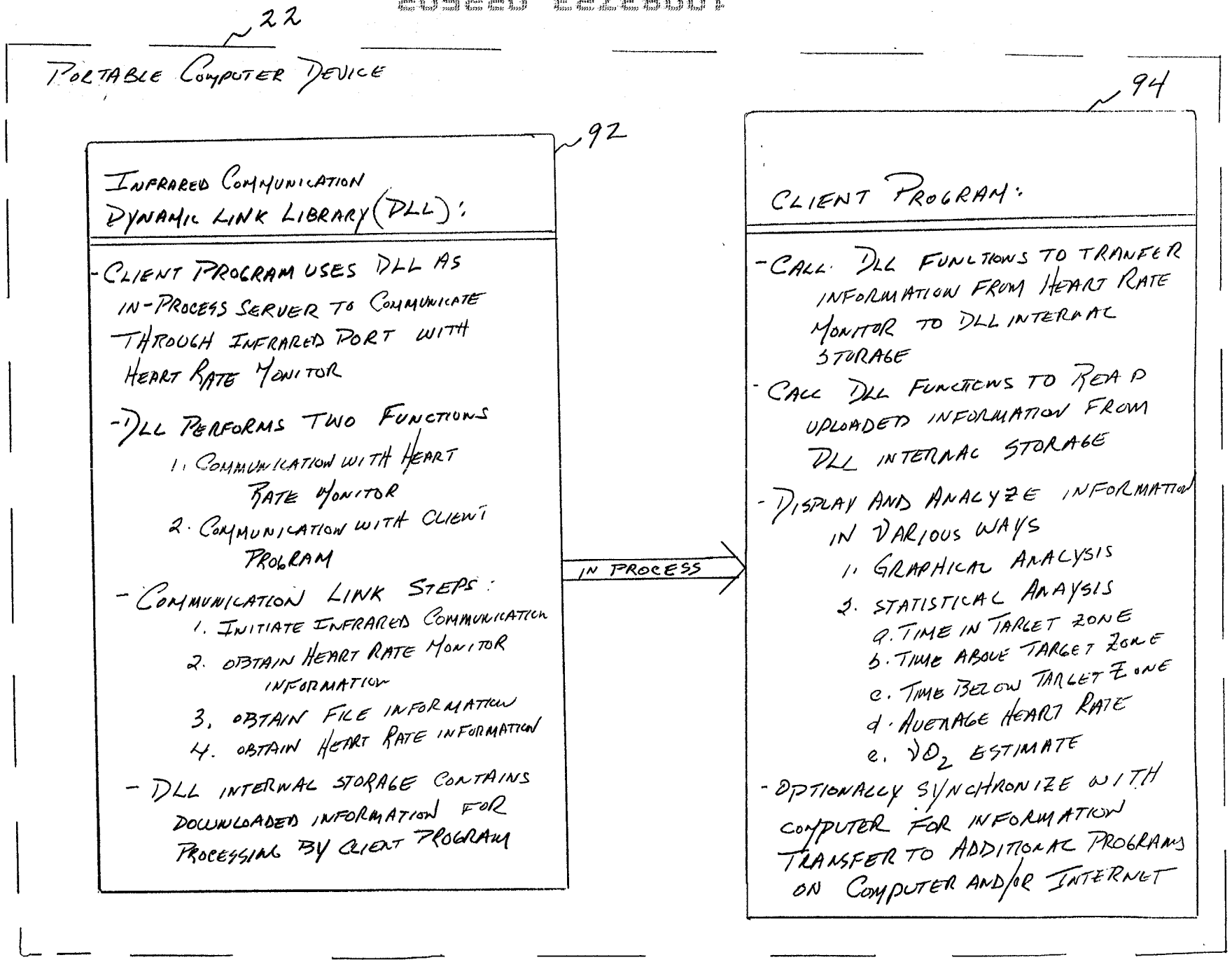

FIGURE 9